

Taminco - St. Gabriel, LA

Facility	2014 NATA EtO emissions (lbs)	2014 NATA Risk	2017 EI EtO emissions (lbs)	2017 TRI Emissions (lbs)	% Difference from 2014	2018 TRI Emissions (lbs)	% Difference from 2014	2018 EI Emissions (lbs)	2019 TRI Emissions (lbs)	% Difference from 2014	2019 EI Emissions (lbs)	% Difference from 2014
Taminco Chemical	2,299	1,330	161	161	-93%	160	-93%	160	191	-92%	191	-92%

On January 11, 2021, LDEQ and EPA R6 spoke with the Louisiana Chemical Association, Taminco, and Eastman Chemicals representatives about communicating reduction in EtO emissions from their facilities.

There will be information on EtO at the facility shared with the public, likely in the form of website updates and later in some form of community outreach. We'd like that information to be up to date and accurate.

Primary EtO emission point is a stack vent scrubber. Fugitive EtO emissions are the rest. Facility has LDAR.

Significant EtO emission reductions from 2014 to 2019 (over 90%). Residences within 0.5 miles of facility
We can see that reported EtO emissions have gone down significantly from 2014 to 2019 about 92%.

Q: Will you please explain what the facility has done to achieve these reductions in reported emissions?

Q: It is our understanding that 2020 emissions inventory data is due to LDEQ on 4/1/21. Can Taminco share any information on 2020 EtO emissions and if any future significant increase in EtO emissions is expected?

LDEQ: Do you want to get this update in writing or are you satisfied with this verbal update from Taminco?

BCP Ingredients and Taminco are located adjacent to each other in St. Gabriel, LA. EPA and LDEQ anticipate outreach on these facilities will be done in a coordinated manner. Both facilities are HAP area sources.

Q: Is Taminco willing to cooperate with LDEQ/EPA in preparing for a future EtO community outreach event?

Heads up: Recent news article about EtO TRI emission numbers changing and skepticism about the changes.

Union Carbide - Taft, LA

Facility	2014 NATA EtO emissions (lbs)	2014 NATA Risk	2017 EtO emissions (lbs)	2017 TRI Emissions (lbs)	% Difference from 2014	2018 TRI Emissions (lbs)	% Difference from 2014	2018 EtO Emissions (lbs)	2019 TRI Emissions (lbs)	% Difference from 2014	2019 EtO Emissions (lbs)	% Difference from 2014
Union Carbide	20,860	1,680	6,267	6,767	-70%	7,922	-62%	7,800	11,012	-48%	10,717	-48%

There will be information on EtO at the facility shared with the public, likely in the form of website updates and later in some form of community outreach. We'd like that information to be as up to date and accurate as possible. HON/OLD/Ethylene/PPP/MON facility. No apparent schools/residences within 1.5 miles. The facility has LDAR.

Significant EtO emission reductions from 2014 to 2019 (48%).

We can see that reported EtO emissions have gone down significantly from 2014 to 2019 about 48%.

Q: Will you please explain what the facility has done to achieve these reductions in reported emissions?

Q: It is our understanding that 2020 emissions inventory data is due to LDEQ on 4/1/21. Can Union Carbide share any information on 2020 EtO emissions and if any future significant increase in EtO emissions is expected?

Q: If not mentioned by the facility, did Union carbide make any improvements to the LDAR program? Please explain.

LDEQ: Do you want to get this update in writing or are you satisfied with this verbal update from Union Carbide?

Q: Area monitors located along the site boundary include: LEL, CO₂, H₂S, O₂ and VOCs.

Does the facility believe the perimeter monitoring may be useful in detecting fenceline EtO? If yes, please explain.

Q: Is Union Carbide willing to cooperate with LDEQ/EPA in preparing for a future EtO community outreach event?

BCP Ingredients - St. Gabriel, LA

Facility	2014 NATA EtO emissions (lbs)	2014 NATA Risk	2017 EtO emissions (lbs)	2017 TRI Emissions (lbs)	% Difference from 2014	2018 TRI Emissions (lbs)	% Difference from 2014	2019 EtO emissions (lbs)	2019 TRI Emissions (lbs)	% Difference from 2014	2019 EtO emissions (lbs)	% Difference from 2014
BCP Ingredients St. Gabriel, LA	5,003	2,539	4,260	54	-14.9%	48	-99%	Not required	198	-96%	Not required	-96%

There will be information on EtO at the facility shared with the public, likely in the form of website updates and later in some form of community outreach. We'd like that information to be up to date and accurate. Facility has an EtO scrubber, most EtO emissions appear to be from fugitives. HAP area source. No LDAR.

Significant EtO emission reductions from 2014 to 2019 (over 90%). Residences located within 0.5 mile.

We can see that reported EtO emissions have gone down significantly from 2014 to 2019 about 96%.

We believe BCP has a good story to tell on these significant ethylene oxide emission reductions.

Q: Will you please explain what the facility has done to achieve these reductions in reported emissions?

Q: It is our understanding that 2020 emissions inventory data is due to LDEQ on 4/1/21. Can BCP share any information on 2020 EtO emissions and if any future significant increase in EtO emissions is expected?

LDEQ: Do you want to get this update in writing or are you satisfied with this verbal update from BCP?

Q: It is EPA's understanding that 2020 emissions inventory data is due to LDEQ on 4/1/21. Can BCP share any information on 2020 EtO emissions and if any future significant increase in EtO emissions is expected?

BCP Ingredients and Taminco are located adjacent to each other in St. Gabriel, LA. EPA and LDEQ anticipate

Evonik (formerly Air Products) - Reserve, LA

Facility	2014 NATA EtO emissions (lbs)	2014 NATA Risk	2017 EtO emissions (lbs)	2017 TRI Emissions (lbs)	% Difference from 2014	2018 TRI Emissions (lbs)	% Difference from 2014	2018 EtO Emissions (lbs)	2019 TRI Emissions (lbs)	% Difference from 2014	2019 EtO Emissions (lbs)	% Difference from 2014
Evonik (formerly Air Products) Reserve, LA	3,222	831	2,494	2,571	-22.6%	No report found	-46%	1,747	1,658	-49%	1,592	-51%

There will be information on EtO at the facility shared with the public, likely in the form of website updates and later in some form of community outreach. We'd like that information to be up to date and accurate Primary EtO emission point stack vent scrubber. Fugitives make up the remainder. The facility has an LDAR.

Significant EtO emission reductions from 2014 to 2019 (51%). Residences and a school within 1 mile.

We can see that reported EtO emissions have gone down significantly from 2014 to 2019 about 92%.

Q: Will you please explain what the facility has done to achieve these reductions in reported emissions?

Q: It is our understanding that 2020 emissions inventory data is due to LDEQ on 4/1/21. Can Evonik share any information on 2020 EtO emissions and if any future significant increase in EtO emissions is expected?

LDEQ: Do you want to get this update in writing or are you satisfied with this verbal update from Evonik?

It is EPA's understanding that 2020 emissions inventory data is due to LDEQ on 4/1/21. Can Evonik share any information on 2020 EtO emissions and if any future significant increase in EtO emissions is expected?

Sasol - Westlake, LA

Facility	2014 NATA EtO emissions (lbs)	2014 NATA Risk Emissions (lbs)	2017 EtO emissions (lbs)	2017 TRI Emissions (lbs)	% Difference from 2014	2018 TRI Emissions (lbs)	% Difference from 2014	2018 EtO emissions (lbs)	2019 TRI Emissions (lbs)	% Difference from 2014	2019 EtO emissions (lbs)	% Difference from 2014
HON/MOIN/Polyether Polyols facility												
Sasol	12,640	841	2,105	2,105	-83%	2,237	-82%	2,237	3,176	-75%	3,176	-75%

There will be information on EtO at the facility shared with the public, likely in the form of website updates and later in some form of community outreach. We'd like that information to be up to date and accurate.

Significant EtO emission reductions from 2014 to 2019 at the facility (75%). Residences & schools within 1 mile. We can see that reported EtO emissions have gone down significantly from 2014 to 2019 about 92%.

Q: Will you please explain what the facility has done to achieve these reductions in reported emissions?

Q: It is our understanding that 2020 emissions inventory data is due to LDEQ on 4/1/21. Can SASOL share any information on 2020 EtO emissions and if any future significant increase in EtO emissions is expected?

LDEQ: Do you want to get this update in writing or are you satisfied with this verbal update from SASOL?

Q: Is SASOL willing to cooperate with LDEQ/EPA in preparing for a future EtO community outreach event?

Heads up: Recent news article about EtO TRI emission numbers changing and skepticism about the changes.

Emission Sources: Sasol has three permits which have EtO allowable emissions:

- Ethoxylation Units: 13.99 tons per year (tpy) - largest EtO allowable emission point appears to be a vapor combustion unit followed by a flare, and then fugitive emissions.